

Human Glutathione Reductase protein, His tag (active)

Cat. No. GTX67013-pro

Applications Functional Assay**Species** Human**Package**

50 µg

Applications

Application Note

Specific activity is > 45 units/mg. The unit definition for glutathione reductase activity may be expressed in terms of the oxidation of NADPH or the reduction of GSSG since their molar ratio is 1:1. One unit of glutathione reductase oxidizes 1 µmol of NADPH per minute at 37°C and pH 7.5.

Properties

Form Liquid**Buffer** 20mM Tris-HCl, 100mM NaCl, 10% Glycerol, 1mM DTT**Preservative** No preservatives**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.**Concentration** 1 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence**

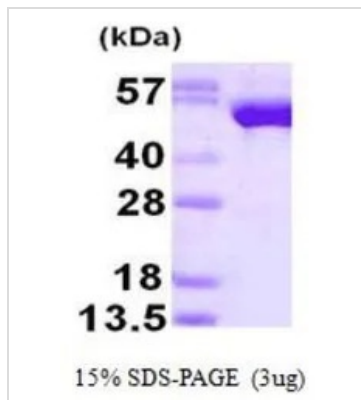
N-terminal His-Tag; Length: 504 a.a. Sequence: MGSSHHHHHH SGLVPRGSH MGSMAMACRQ EPQPQGPPPA AGAVASYDYL VIGGGSGGLA SARRAAELGA RAAVVESHKL GGTCVNVGCV PKKVMWNTAV HSEFMHDDHAD YGFPSCEGKF NWRVIKEKRD AYSRLNAIY QNNLTSHIE IIRGHAAFTS DPKPTIEVSG KKYTAPHILI ATGGMPSTPH ESQIPGASLG ITSDGFFQLE ELPGRSVIVG AGYIAVEMAG ILSALGSKTS LMIRHDKVLR SFDSMISTNC TEELENAGVE VLKFSQVKEV KKTLSGLEVS MVTAVPGRLP VMTMIPDVDC LLWAIGRVPN TKDLSLNKLG IQTDDKGHII VDEFQNTNVK GIYAVGDVCG KALLTPVAIA AGRKLAHRLF EYKEDSKLDY NNIPTVVFSH PPIGTVGLTE DEAIHKYIE NVKTYSTSFT PMYHAVTKRK TKCVMKMCVA NKEEKVVGIIH MQGLGCDEML QGFAVAVKMG ATKADFDNTV AIHPTSSEEL VTLR

Expression System E. coli**Purity** > 95% by SDS-PAGE.**Conjugation** Unconjugated**Note** For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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DATA IMAGES



GTX67013-pro Image

3 μ g of GTX67013-pro Human Glutathione Reductase protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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